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LIPI Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20877a

Specification

LIPI Blocking Peptide (Center) - Product Information

Primary Accession Q6XZB0

LIPI Blocking Peptide (Center) - Additional Information

Gene ID 149998

Other Names
Lipase member I, LIPI, 311-, Cancer/testis antigen 17, CT17, LPD lipase, Membrane-associated phosphatidic acid-selective phospholipase A1-beta, mPA-PLA1 beta, LIPI, LPDL

Target/Specificity
The synthetic peptide sequence is selected from aa 224-238 of HUMAN LIPI

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LIPI Blocking Peptide (Center) - Protein Information

Name LIPI

Synonyms LPDL

Function
Hydrolyzes specifically phosphatidic acid

LIPI Blocking Peptide (Center) - Background

Hydrolyzes specifically phosphatidic acid (PA) to produce 2-acyl lysophosphatidic acid (LPA; a potent bioactive lipid mediator) and fatty acid. Does not hydrolyze other phospholipids, like phosphatidylserine (PS), phosphatidylcholine (PC) and phosphatidylethanolamine (PE) or triacylglycerol (TG).

LIPI Blocking Peptide (Center) - References

Hiramatsu T.,et al.J. Biol. Chem. 278:49438-49447(2003).
Wen X.-Y.,et al.Hum. Mol. Genet. 12:1131-1143(2003).
Hattori M.,et al.Nature 405:311-319(2000).

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Cellular Location
[Isoform 1]: Cell membrane. Secreted Note=May associate with lipid draft.

Tissue Location
Expressed in testis. Expressed exclusively at the connecting piece of the sperm.

LIPI Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides